

POSITION 1257 REGION

1257
NORMAL CAATAGA^AAAAACCTT (SEQ ID NO: 50)
MUTANT CAATAGG^GAAAACCTT (SEQ ID NO: 51)

POSITION 3905 REGION

3905
NORMAL ATTTAGA^A^A^A^AACCTT (SEQ ID NO: 52)
MUTANT ATTTAGG^GA^AC^CTT (SEQ ID NO: 53)

FIG. 1

SeVcDNA EI SEQUENCES

	<u>E</u>	<u>I</u>	
NP:	AGTAAG	AAAAAA	CTT (SEQ ID NO:54)
P:	ATTAAG	AAAAAA	CTT (SEQ ID NO:55)
M:	AATAAG	AAAAAA	CTT (SEQ ID NO:56)
F:	AATAAG	AAAAAA	CTT (SEQ ID NO:56)
HN:	ATTAAG	AAAAAA	CTT (SEQ ID NO:55)
L:	AGTAAG	AAAAAA	CTT (SEQ ID NO:54)
<hr/>			
1257:	CAATAG	AAAAAA	CTT (SEQ ID NO:50)
3905:	ATTTAG	AAAAAAA	CTT (SEQ ID NO:52)

hCFTR HYPERMUTABLE SEQUENCES

FIG. 2

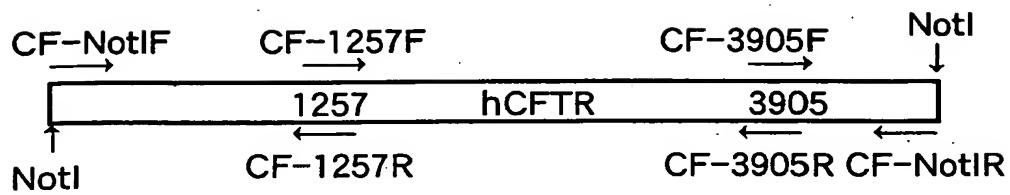
()

Arg Lys Thr
1257 : CAAT AGA AAA ACT T (SEQ ID NO:50)
1257m: CAAT AGG AAG ACG T (SEQ ID NO:57)
1257

Arg Lys Asn
3905 : ATTT AGA AAA AAC TT (SEQ ID NO:52)
3905m: ATTT AGG AAG AAT TT (SEQ ID NO:58)
3905

FIG. 3

PRIMER DESIGN



CF-NotIF: 5' tcacgcggccgccaaagttcaatg (SEQ ID NO: 24)
CF-NotIR: 5' atctgcggccgcgtatgaactttca (SEQ ID NO: 25)
CF-1257F: 5' taacaataggaagagacctctaattgg (SEQ ID NO: 26)
CF-1257R: 5' ccattagaggtttcctattgtta (SEQ ID NO: 27)
CF-3905F: 5' aacatttaggaagaatttggatcc (SEQ ID NO: 28)
CF-3905R: 5' ggatccaaattttcctaaatgtt (SEQ ID NO: 29)

FIG. 4

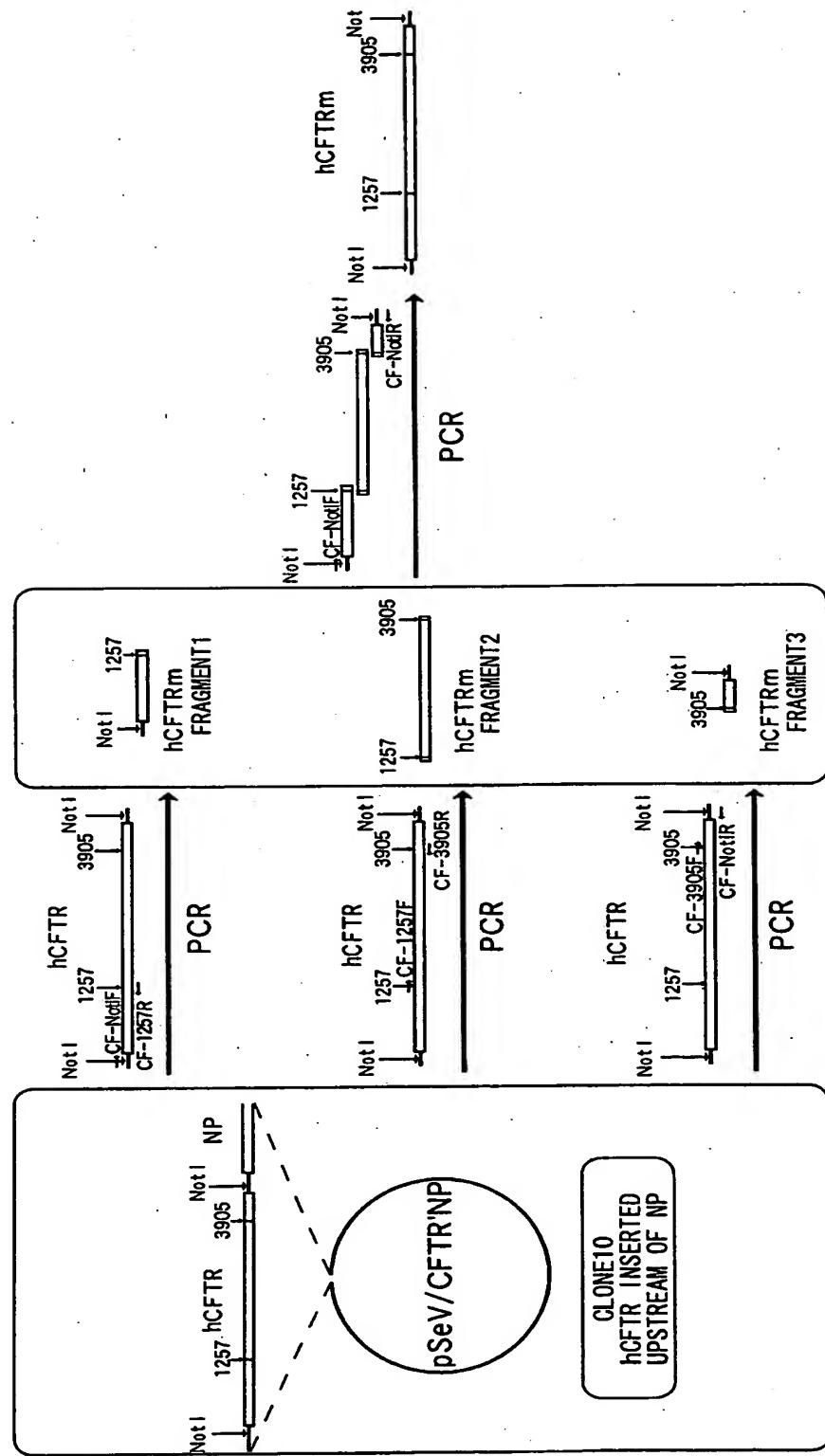


FIG. 5

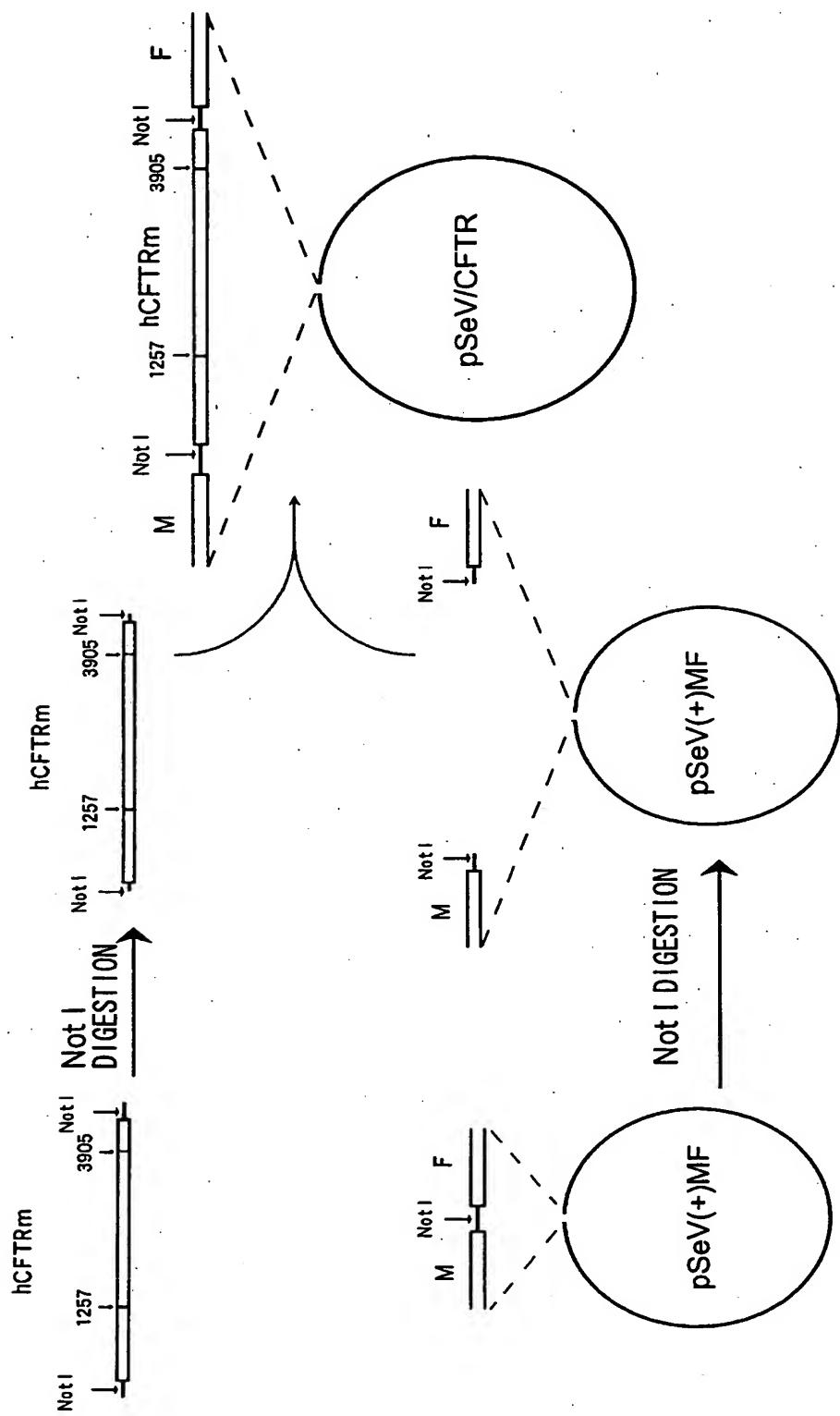


FIG. 6

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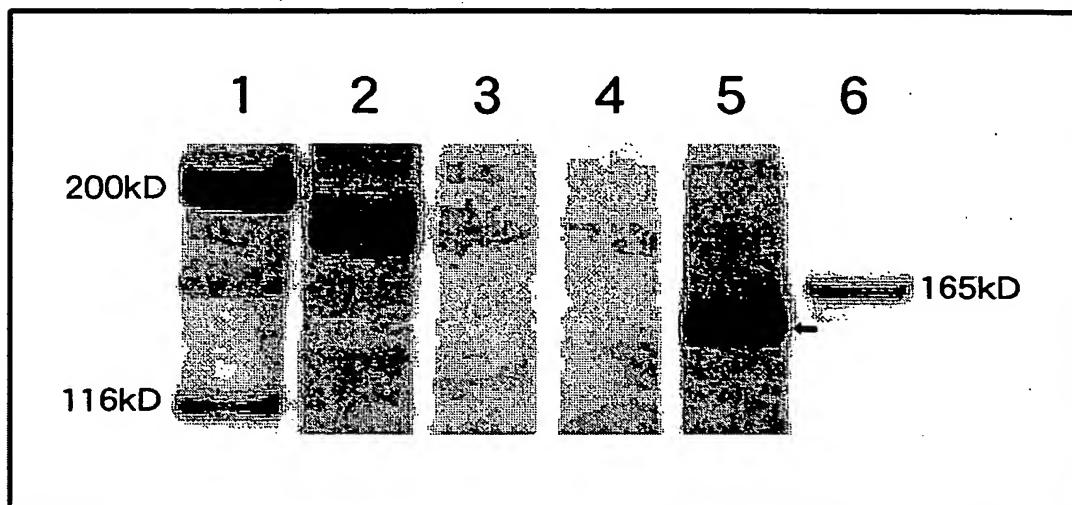


FIG. 7

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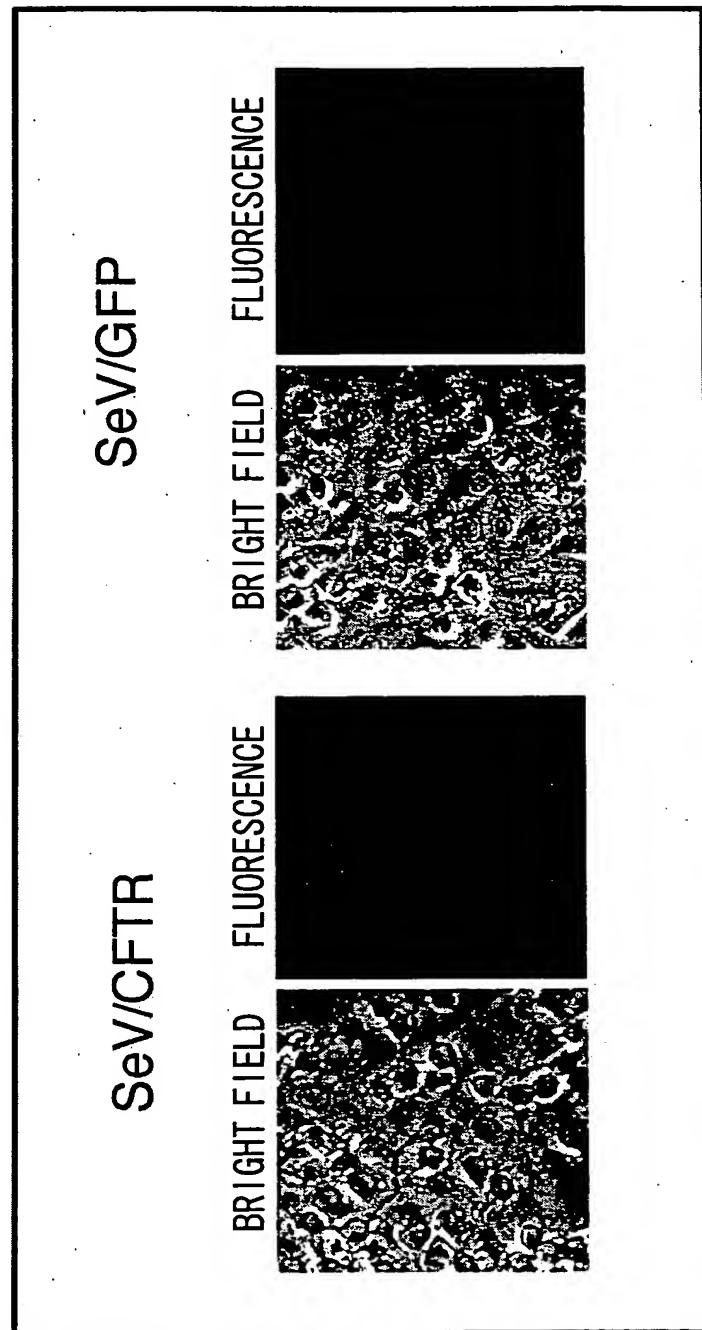


FIG. 8